

L 10826-66
 ACC NR: AP600442 SOURCE CODE: CZ/0043/65/000/004/0281/0286

AUTHOR: Jokl, Vladimir--Yokl, V. (Doctor; Doctor of natural sciences; Pharmacist; 17
 Candidate of sciences); Majer, Jaroslav--Mayer, Ya. (Doctor; Candidate of sciences; 8
 Pharmacist)

ORG: Department of Analytical Chemistry, Pharmaceutical Faculty, Comenius University,
 Bratislava (Katedra analytickej chemie Farmaceutickej fakulty Univerzity Komenského)

TITLE: Study of complex compounds in solution by means of paper electrophoresis.
 (V.). Complexes of stereoisomeric 2,3-diaminobutane-N,N',N''-tetraacetic acids

SOURCE: Chemické zvesti, no. 4, 1965, 281-286

TOPIC TAGS: intermolecular complex, electrophoresis, paper chromatography, organic
 nitrogen compound, butane, acetic acid, stereochemistry

ABSTRACT: The evaluation of electrophoretic mobility of complexes of meso- and
 rac- acids with some di- and trivalent central ions allowed to determine the
 formation and stability of these complexes. The complexes are similar to those
 of ethylenediaminetetraacetic acid; the m- forms have the same stability, the r-
 have a very high stability similar to that of the complexes of 1,2-diaminocyclo-
 hexanetetraacetic acid. The difference in stability is due to the effect of the
 steric arrangement. The authors thank Viera Gregorova for part of the work
 (r-DETA), which was done within the framework of work toward a degree. Orig. art.
 has: 2 figures and 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 16Jul64 / ORIG REF: 009 / OTH REF: 006
 SOV REF: 001
 Card 1/8

L 31395-66 EWP(j) RM
ACC NR: AP6021112

SOURCE CODE: CZ/0043/65/000/012/0351/0891

AUTHOR: Kratsnar-Snogrovic, Juraj--Krechmar-Shnogrovich, Yu. (Docent; Doctor; Pharmacist; Candidate of sciences; Bratislava); Jokl, Vladimir--Yold, V. (Docent; Doctor 39 of natural sciences; Pharmacist; Candidate of sciences; Bratislava) 37 B

ORG: Department of Inorganic and Organic Chemistry, Pharmaceutical Faculty, Comenius University, Bratislava (Katedra anorganickej a organickej chemie Farmaceutickej fakulty Univerzity Komenského); Department of Analytical Chemistry, Pharmaceutical Faculty, Comenius University, Bratislava (Katedra analytickej chemie Farmaceutickej fakulty Univerzity Komenského)

TITLE: Complex compounds of Cu^I with organic ligands (I). Contribution to the chemistry of coppersalicylate complexes

SOURCE: Chemické zvesti, no. 12, 1965, 881-891

TOPIC TAGS: spectrophotometry, electrophoresis, organocopper compound, crystallization, dehydration

ABSTRACT: At pH 4 the dihydrate of Di(salicylate)diaquo-Cu^{II} complex is formed; the compound does not form chelates. When the concentration of the raw materials is high enough, the compound crystallizes out of the solution. The molar concentration of a saturated water solution of the dihydrate of the di(salicylate)diaquo-Cu^{II} complex is $2.46 \cdot 10^{-2}$ at 20°C, and $6.82 \cdot 10^{-2}$ at 50°C.

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ACC NR: AP6021112

2

The compound loses water at atmospheric temperatures; at 85-90°C complete dehydration takes place; the process is reversible. The composition of the compound was investigated by paper electrophoresis and spectrophotometry; the product is stable at pH 6-7.

The authors thank Graduate Physicist T. Obert for help in measuring the absorption spectrum and Graduate Pharmacist V. Hartelov for the elementary analysis. Orig. art. has: 3 figures and 1 table. [JPRS]

SUB COE: 07 / SUBM DATE: 24Aug65 / ORIG REF: 004 / OTH REF: 012
SOV REF: 001

Card 2/2 CC

Fuel Abstracts
JOKLIK, A.

Properties & Treatment of

3381. CARBON MONOXIDE FREE TOWN GAS. Bilz, K., Joklik, A. and Wiener Stadtwerke (Austrian P. 168,386/1951, abstr. in Chem. Abstr., 1952 vol. 46, 6814). Part of the natural or coal gas used for producing town gas is branched off and subjected to cleavage and oxidation at raised temperatures. The oxidized and cracked mixture is then cooled and reacted with steam at approximately 400°. The treated gas is then mixed with the untreated part of natural and coal gas. The resulting mixtures are practically carbon monoxide-free and less poisonous than the usual town gas compositions. The process and plant are described in detail and illustrated. C.A.

JOKLIK, J.: BAZANT, V.

"A capillary tube crusher for use in gas chromatography"

Chemicke Listy. Praha, Czechoslovakia. Vol. 53, no. 3, Mar 1959

Monthly list of East European Accessions (EEAT), LC, Vol. 8, No. 7, July 59, Unclass

S/081/62/000/009/033/075
B158/B101

AUTHORS: Joklik, J., Bazant, V.

TITLE: Organosilicon compounds. XXII. The effect of impurities in silicon on direct synthesis of methylchlorosilanes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 275-276, abstract 9Zh288 (Collect. Czechosl. Chem. Commun. v. 26, no. 2, 1961, 417 - 426)

TEXT: The direct synthesis of methylchlorosilanes from CH_3Cl and chemically pure Si, leading to the formation of $\sim 90\%$ $(\text{CH}_3)_2\text{SiCl}_2$ (I), is described. The effect of impurities in the contact mass on the composition of the reaction products and the effect of Cl_2 , HCl and H_2 were studied. Addition of 1-3% Al increases the content of the side products CH_3SiCl_3 (II) from 3.5 to 9.2% and the content of $(\text{CH}_3)_3\text{SiCl}$ (III) from 1.1 to 5.7%, reducing the content of I from 89.1 to 78.1%. In the presence of AlCl_3 , the high

Card 1/2.

Organosilicon compounds. ...

S/081/62/000/009/033/075
B158/B101

methyated silanes are converted to low methyated silanes. NaAlCl_4 has the same effect. C impurity (up to 2%) has no essential effect on the composition of the reaction products. The presence in the contact mass of C and AlCl_3 reduces the content of I in the reaction products to 50% or less. The effect of Fe impurity is negligible; addition of FeCl_3 causes an increase in the $\text{CH}_3\text{SiHCl}_2$ (IV) content to 5%; additions of Ti and CuTiCl_4 cause an appreciable formation of II and III; addition of Zn has the same effect. The presence of chlorine and HCl impurities in the CH_3Cl leads to IV and HSiCl_3 , while H_2 impurity has no effect. The apparatus is described. [Abstracter's note: Complete translation.]

Card 2/2

S/081/62/000/009/034/075
B158/B101

AUTHORS: Joklik, J., Kraus, M., Bažant, V.

TITLE: Organosilicon compounds. XXIII. The kinetics of the reaction between methyl chloride and chemically pure silicon in the presence of a copper catalyst

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 276, abstract 9Zh289 (Collect. Czechosl. Chem. Commun., v. 26, no. 2, 1961, 427 - 435)

TEXT: The velocity of the reaction between CH_3Cl and pure Si in the presence of Cu in a stationary apparatus ($280-320^\circ\text{C}/100-1200 \text{ mm Hg}$) was studied. The basic reaction product (up to 90%) is $(\text{CH}_3)_2\text{SiCl}_2$. The reaction induction period (1-3 hours) depends on the purity of the Si surface. The reaction rate depends, moreover, on the pressure of the CH_3Cl , temperature, and Cu content in the contact mass. The mechanism of the reaction is discussed. [Abstracter's note: Complete translation.]

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S/081/62/000/019/017/053
B144/B180

AUTHOR: Joklik, J.

TITLE: Partition of ethyl chlorosilanes by gas-liquid chromatography

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1962, 128, abstract
19D150 (Collect. Czechosl. Chem. Commun. v. 26, no. 8, 1961,
2079 - 2080 [Ger.; summary in Rus.])

TEXT: A method was developed for analyzing the products of the synthesis of ethyl chlorosilanes (ref. 19Zh245) by gas-liquid chromatography at 90°C in a column containing 5.55 g methyl silicone oil MSO 150 per 55.50 g of pulverized facing tile (grain size 0.2 - 0.3 mm), at an N₂ gas developer rate of 74.5 ml/min, with detection by heat conduction. Separation of ethyl chlorosilane alone or diethyl chlorosilane alone was not possible by this method. The relative elution volumes are indicated for C₂H₅Cl and 8 ethyl chlorosilanes. [Abstracter's note: Complete translation.] ✓

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8/081/63/000/004/013/051
B166/B185

AUTHORS: Joklik, J., Kraus, M., Bažant, V.

TITLE: Silicones. XXIX. Kinetics of the direct synthesis of methyl-
bromosilane

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 4, 1963, 212, abstract
4Zh27 (Collect. Czechosl. Commun., v. 27, no. 4, 1962, 974-978
[Ger.; summary in Russ.])

TEXT: The reaction rate is studied of CH_3Br with pure Si, catalyzed with
Cu, in a static installation at 100 - 1,000 mm Hg and 240 - 280°C. The
results are correlated by means of the relation derived earlier for CH_3Cl .
It was found that the reaction of CH_3I with Si, using a Cu or Ag catalyst,
at 280-350° gives tetraiodosilane instead of methylbromosilane. Apparently
the methylbromosilane which is formed decomposes and the decomposition
products block the active surface of the contact mass; however, it is also
possible that the CH_3I decomposes. The reactions of Cu and Ag halides with
Si were also studied. The author considers that the reaction of alkyl
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Silicones. XXIX. Kinetics of the...

S/081/63/000/004/013/051
B166/B186

halides with Si takes place during adsorption associated with dissociation, in which case the alkyl is adsorbed on the copper and the halide on the Si. Bromine atoms lower the electron density of Si less than chlorine atoms, which to a great extent promotes substitution of the electrophilic CH_3 group at the Si. This process agrees with the results of kinetic measurements. For communication XXVIII see RZhKhim, 1962, no. 19, 19Zh245. [Abstracter's note: Complete translation.]

Card 2/2

JOKLIK, J.; BAZANT, V.

Organic silicon compounds. Pts. 33-34. Coll Cz Chem 29 no. 3:
603-609, 834-837 Mr '64.

1. Institute of Theoretic Principles of Chemical Technology,
Czechoslovak Academy of Sciences, Prague.

JOKLIK, O. F.

Distr: 4E3d

Preparation of 2,6-di-*tert*-butyl-4-methylphenol as gasoline inhibitor and antioxidant by alkylation of *p*-cresol with isobutylenes. Otto F. Joklik. *Prakt. Chem.* 10: 400-609, 530-8 (1959).—The production and use of the title compd. (I) is discussed. Thus, $\text{CH}_2=\text{CMe}_2$ (3.2 l./hr.) is introduced into a mixt. of 108 g. *p*-cresol and 2.4 g. 96% H_2SO_4 , 16 hrs. at 40° ; 500 ml. H_2O added, the mixt. boiled 3.5 hrs., and then cooled to give crude I; this is washed with 500 ml. H_2O and 2 \times 150 ml. 2:1 $\text{EtOH-H}_2\text{O}$ to yield 158 g. white I, m. 65° . Another 20 g. I is obtained from the filtrate. Equipment and costs for a plant to produce 110 tons I yearly are given in detail. Otto S. Kauder

CAW

ca

2
1-Bu (P.W.)
1

JOKOBOVITS, ANTAL

KOVACS, Kalman; BACHRACH, Denes; JOKOBOVITS, Antal; KORVATH, Eva;
KORTASSY, Bela

Effect of thirst on the hypothalamo-pituitary system in rats.

Kiserletes orvostud. 6 no.3:202-209 May 54.

(PITUITARY GLAND, physiology,

eff. of thirst on hypothalamo-pituitary system in rats)

(HYPOTHALAMUS, physiology,

eff. of thirst on hypothalamo-pituitary system in rats)

(THIRST, effects,

on hypothalamo-pituitary system in rats)

ARSIC, Bogoljub, sanitetski pukovnik doc. dr.; ZISOVSKI, Angel, sanitetski potpukovnik dr.; MIJUSKOVIC, Punisa, sanitetski kapetan I klase dr.; RADOVANOVIC, Miroslav, sanitetski kapetan dr.; NIKOLIC, Bozidar, sanitetski potpukovnik dr.; SOKOLOVSKI, Borivoje, sanitetski kapetan I klase dr.; DORDEVIC, Dusan, sanitetski major dr.; MEL, David, sanitetski pukovnik dr.; JOKOVIC, Bozidar, sanitetski kapetan dr.; MILUTINOVIC, Milan, kapetan dr.

Clinical picture of acute bacillary dysentery in soldiers of the Yugoslav National Army. Vojnosanit. pregl. 22 no.6:394-397 Je '65.

1. Zarazno odeljenje, Higijensko-epidemioloski odred u Skoplju, Vojnomedicinska akademija u Beogradu, Klinika za zarazne bolesti.

L 35260-66 ETI/EWP(t) IJP(c) JD

ACC NR: AP6024699

SOURCE CODE: CZ/0038/65/000/012/0456/0459

AUTHOR: Rosicka, Vlasta; Joks, Zdenek

ORG: State Research Institute of Material, Prague (Statni vyzkumny ustav materialu)

TITLE: Study of carbon and sulfur diffusion in sulfonitrided coatings

SOURCE: JADERNA energie, no. 12, 1965, 456-459

TOPIC TAGS: physical diffusion, metal coating, radiometry, autoradiography

ABSTRACT: The article describes experiments to determine carbon and sulfur diffusion in sulfonitrided coatings radiometrically and autoradiographically. The results are presented graphically and compared numerically with the chemically determined values. Photographs of the coating sections are presented. This article was presented by V. Doksansky. The authors thank Docent, Doctor Kubal and Graduate Chemist Benesova at Radiological Dosimetry, Institute of Nuclear Research, CSAV, for providing the nuclear emulsions, which helped solve the problems. Orig. art. has: 8 figures and 1 table. [JPRS: 34,666]

SUB CODE: 11, 20 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 001

Card 1/1 *llb*

DUC: 669-151.3 669.77/.78 548,526

JOKSIC, V.

Injection system of Vria Dam No. 2, Pt. 2, p. 361, TEHNIKA, (Savez inzenjera i tehnicara Jugoslaviije) Beograd, Vol. 9, No. 3, 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 8, Aug. 1956

JOKSIC, V., inz. (Beograd)

In remembrance of Nikola Tesla. Tesla no.15/16:2-4 N-D '55.

JOKSIC, V.; HVOJ, J.

JOKSIC, V.; HVOJ, J. The Iron Gate as a navigable highway and a source of power. p. 505.

Vol. 9, No. 9/10, Sept./Oct. 1956.

ELEKTROPRIVREDA

TECHNOLOGY

Beograd, Yugoslavia

So: East European Accession, Vol. 6, No. 2, February 1957

JOKSIC, Vitomir, inz. (Hadzi Milentijeva 58, Beograd)

Continuous concrete partition, diaphragm. Tehnika Jug
17 no.6:Suppl.: Gradevinarstvo 16 no.6:1059-1063 Je '61.

1. Tehnicki savetnik "Energoprojekta," Beograd.

JOKSIC, Vitomir, inz.

"Contribution to the study of river mouths" by [dr inz., sef Hidrauličke laboratorije na Avali] Mihajlo Vojinovic. Reviewed by Vitomir Joksic. Elektroprivreda 16 no.5:254-255 My '63.

JOKSIC, Vitomir, inz.

"Some problems of arched dams studied on models" by [inz.]
Dusan Milanovic. Reviewed by Vitomir Joksic. Elektroprivreda
16 no.8:404-405 Ag '63.

"Directions for the projecting and execution of injection works."
Reviewed by Vitomir Joksic. 404

JOKSIC, Vitomir, inz.

First project of the hydroelectric power plant in Derdap.
Elektroprivreda 16 no.9:450-455 S '63.

JOKSIC, Vitomir, M., inž.

Corrosion of concrete in electric industries. Elektropri-
vreda 16 no.10:501-505 0'63.

JOKSIC, Z.

The importance of taking samplings of stone for investigation.

p. 63 (Put I Sazbracaj) No, 1/3, Jan./Mar. 1957, Belgrade, Yugoslavia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

JOKSIC, Z.

The application of soil mechanics in the construction of roads in Serbia. p. 43.

PUT I SAGBRACAJ. (Drustvo za puteve Srbije)
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly list of the East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

JOKSIC, Zdravko, inz., asistent

Analysis of the causes accounting for the damages to the pavement of certain sections of the highway built throughout Serbia in 1959. Soap Inst isp mat Srb 11 no.20:37-51 Ag '63.

1. Institut za ispitivanje materijala SR Srbije, Beograd.

JOKSIC, Zdravko, dipl. inz., asistent

Correlation between the value of the M_c compressibility modules and the degree of compactness in coarse grain noncohesive materials; factors which influence obtained values. Saop Inst isp mat Srb 12 no.21:11-21 Ag '64.

1. Institute of Testing Materials of Serbia, Belgrade.

JOKSIMOVIC, H. M.

Jovan Grcic-Milenko, doctor of medicine, literator and writer.
On the occasion of 80th anniversary of his death. Med. glasn.
9 no.9:351-352 Sept 55.

(BIOGRAPHIES,
Grcic-Milenko, Jovan.(Ser))

JOKSIMOVIC, H. M.

Jovan Sterija Popovic. Med. glasn. 10 no.6:254-256 June 56.

(FAMOUS PEOPLE

Popovic, Jovan Sterija, med. theories in his works. (Ser))

JOKSIMOVIC, Hronislav

Mortality in malignant neoplasms according to tabulations in
Serbia in 1952. Srpski arh. celok. lek. 84 no.5:623-629 May 56.

(NEOPLASMS, statistics,
morta. in Yugosl. (Ser))

JOKSIMOVIC, H.M.

Dimitrije Davidovic, physician, journalist, health law-maker.
Med. glas. 11 no.2:77-79 Feb 57.

(BIOGRAPHIES

Davidovic, Dimitrije (Ser))

JOKSIMOVIC, M.; JOVANOVIC, D.

General solution of the Naksic basin problem. p. 1316.
Vol. 9, No. 9, 1954. TEHNIKA, Beograd, Yugoslavia.

SOURCE: East European Accessions List (EEAL) Library
of Congress, Vol. 5, No. 8, August, 1956

JOKSIMOVIC, MILUTIN

Odredivanje velikih voda u slivu Velike Morave. 1958. 70 p.

Beograd, Yugoslavia

Monthly list of Eastern European Accession Index (EEAI) DJ vol. 8, No. 11
November 1959
Uncl.

HENEBERG, Dorde, sanitetski pukovnik docent dr.; MORELJ, Marjan, general-major sanitetske sluzbe profesor dr.; MITIC, Aleksandar, sanitetski pukovnik dr.; MARINCEVIC, Predrag, sanitetski pukovnik dr.; KOSTIC, Dobrivoj, sanitetski kapetan I klase dr.; MILOSAVLJEVIC, Zivadin, sanitetski kapetan dr.; JOKSIMOVIC, Petar, sanitetski porucnik dr.; MILOSAVLJEVIC, Toma, sanitetski porucnik dr.

Controlled field experiment of chemoprophylaxis against influenza by flumidin in a unit of the Yugoslav People's Army. Vojnosanit. pregl. 22 no.12:754-757 D '65.

1. Vojnomedicinska akademija u Beogradu; Higijenski zavod; Klinika za uho-grlo-nos.

JOKSIMOVIC, Vojin, inz.

Problems and prospects of nuclear-power engineering in
Great Britain. Elektropriroda 17 no. 1; 41-45 Ja '64.

JOKSIMOVIC, V., ing.

British thermonuclear research. Elektroprivreda 14 no.9:496-497
S '61.

JOKSIMOVIC, V., ing.

Histroical moment in the development of nuclear power. Elektroprivreda
14 no.10:554-555 0 '61.

JOKSIMOVIC, Vojin, inz.

Nuclear-energy program of France. Elektropriroda 15 no.1:56-60
Ja '62.

JOKSIMOVIC, Vojin, inz.

Nuclear program in Italy. Elektroprivreda 15 no.2/3:137-138
F-Mr '62.

1. "Energoprojekt," Beograd.

JOKSIMOVIC, V., inz.

Technology of nuclear reactors in 1961. Elektroprivreda
15 no.4:202-203 Ap '62.

JOKSIMOVIC, V., inz.

New nuclear-power stations in England. Elektroprivreda
15 no.5:265-268 My '62.

1. Energoprojekt, Beograd.

JOKSIMOVIC, Vojin, inz.

Technology of reactors in 1902. Elektroprivreda 16 no.11/12:
589-592 N-D '63

JOKSIMOVIC-TJAPKIN, S.

Koncar-Durdevic, S. Joksimovic-Tjapkin, S.

"A photoelectric colorimeter for the colorimetric analysis of small surf. cos." p. 369.
(Glasnik, Vol. 17, No. 6, 1952, Beograd.)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September 1953, Uncl.

JOKSIMOVIC-TAPKIN, S.

3

An adsorption method for semiquantitative determination of colored materials in very dilute solution. S. Joksimovic-Tapkin and S. Durdevic (Inst. Inorg. Technol., Belgrade, Yugoslavia). *Anal. Chem. Acta* 10, 246-50 (1964) (in English).—An adsorption method is described for the semiquant. detn. of very dil. "colorless" solns. of colored materials. Filter-paper disks upon which a suspension of silica gel had been sprayed were mounted in a special cell, and the solns. were passed through these. By contg. the colored material by means of isothermal equil. adsorption on an adsorbent of limited area and thickness, visibly colored surfaces were obtained which could be used for detg. the unknown concns. by colorimetric measurements in diffusely reflected light. Landon A. Sarver

10-14-64

mlf

JOKSIMOVIC-TJAPKIN, S.

Detection and determination of carbon monoxide in the
air. p. 245. Vol. 11, No. 2, 1956. TEHNIKA. Beograd,
Yugoslavia.

SOURCE: East European Accessions List, (EEAL) Library
of Congress, Vol. 5, No. 8, August, 1956.

COUNTRY : Yugoslavia B-5
CATEGORY :
ABS. JOUR. : RZKhim., No. 22 1959, No. 77605
AUTHOR : Tjapkin, D. and Joksimovic-Tjapkin, S.
INST. : Not given
TITLE : Determination of the Purity of Powdered Silicon
by Measuring the Electric Conductivity of the
Electrolyte [sic]
ORIG. PUB. : Tehnika, 13, No 10 (1958); Elektrotehnika, 7,
No 10, 166-169 (1958)
ABSTRACT : No abstract.

CARD: 1/1

JOKUTI, F.

Method of estimating building and dwelling conditions in Debrecen, its result and experiences. p. 171.

EPITESUGYI SZEMLE. Budapest, Hungary. No. 6, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

JOLANFAL, Gy.

"Minimum Quantity of Running Water to be Left in the Tsza River After Its Canalization", P. 329, (HIDROLÓGIAI KÖZLEMÉNY, Vol. 33, No. 9/10, Sept./Oct. 1953, Budapest, Hungary)

SC: Monthly List of East European Accessions (EFAL), LC, Vol. 4, No. 3, March 1955, Uncl.

JOLANKAI, Gyula

Storage of the Danube water on the hillside area due to the
water shortage in the northern part of the Tisza Valley.
Vizugyi kozl no.1/2:3-21 '57.

JOLANKAI, GY.

Supplementing the water deficit of the northern section of the Tisza valley by storing water led from the Danube in a hilly area.

P. 3 (VIZUGYI KOZLEMENYEK) Budapest, Hungary Vol. (39) No.1/2, 1957.

SO: Monthly Index of East European Acessions (AREI) Vol. 6, No. 11 November 1957.

JOLESZ, Laszlo

"Recollections on Endre Ady", edited by Miklos Kovalovszky.
Vol. 1. Reviewed by Laszlo Jolesz. Magyar Tud. no. 1:72-73
Ja '63.

1. Magvető Könyvkiadó főszerkesztője.

ACC NR: AP6034786

SOURCE CODE: PO/0045/66/030/002/0237/0250

AUTHOR: Mikhailov, I. N. ; Jolos, R. V.

ORG: Laboratory of Theoretical Physics, Joint Institute for Nuclear Research,
Moscow

TITLE: A method for solving the nucleon-phonon interaction problem

SOURCE: Acta physica polonica, v. 30, no. 2, 1966, 237-250

TOPIC TAGS: nucleus, spheric nucleus, nucleon, phonon, nucleon phonon
interaction, fermion, Schrodinger equation, fermion state, excitation energy
resonance, Tailor coefficient

ABSTRACT: A method for solving the Schrodinger equation for fermions inter-
acting with phonons in the case of a sufficiently small number of different fermion
states is suggested. The problem of one type of scalar phonon coupling the
orbitals of two energy levels in a spheric nucleus is used as an example. Generat-
ing functions of a complex variable z were introduced, and the Taylor coefficients
of the functions were related to the probability amplitudes of the n -phonon excita-
tion in an eigenstate of the system. The solution of the Schrodinger equation is

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ACC NR: AP6034786

obtained by finding the integrals of a system of first-order differential equations, which are given by entire functions. Such solutions are found within the limits of a weak and strong coupling, and in the special case of resonance between the phonon and nucleon excitation energies. The authors thank their colleagues at JINR for their helpful criticism, and particularly L. Zastavenko and E. B. Balbutzev. The author Mikhailov expresses his gratitude to J. Bang (N. Bohr's Institute, Denmark) for the numerous discussions which helped to lay the groundwork for this study. Orig. art. has: 69 formulas. [Based on authors' abstract]

[DR]

SUB CODE: 20/ SUBM DATE: 16Feb66/ ORIG REF: 004/ OTH REF: 008/

Card 2/2

JOLISVAI, Vilmos

In fight for the workers' power; February 1919. Munka 9
no.2:12 F '59.

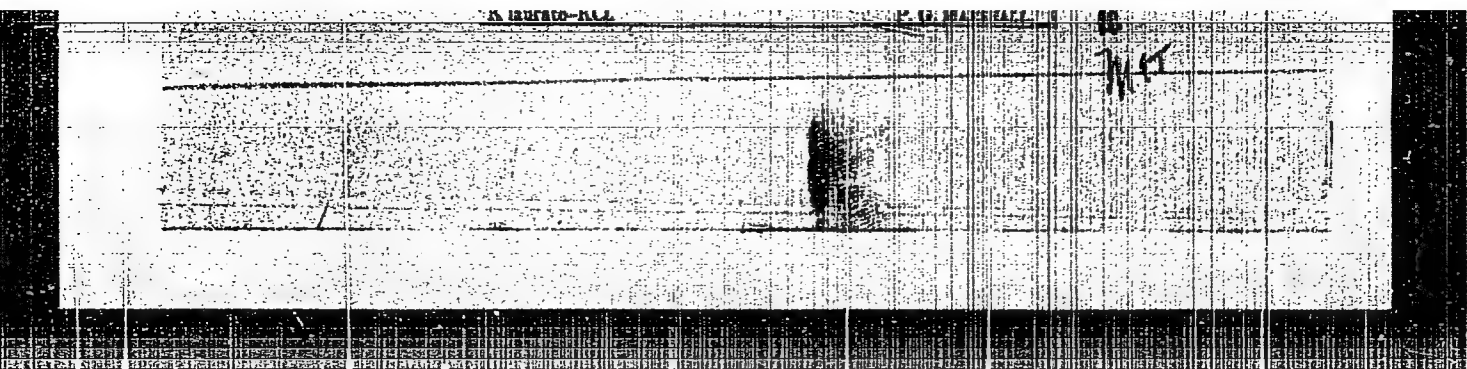
1. Szakszervezetek Orszagos Tanacsas munkatarsa.

JOLY, M

Mechanical and optical investigations on structure of colloidal
solutions. D. G. Derjaguin, M. Joly, and R. S. Titcher. *Journal of
Chemical Physics*, 1934, 2, 81-101. — Theoretical and optical properties of water.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619630009-7



APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619630009-7"

JOMBIK, J.; MAJER, J.; SCHILLER, P.

Analytical methods based on reflection and absorption of radioactive radiation. II. Radiometric determination of ash in plant drugs. Cesk. farm. 13 no. 5:241-245 Jo '64.

1. Katedra analytickej chimie Farmaceutickej fakulty UK, [University Komenskeho], Bratislava.

JOMBIK, Jozef; MAJER, Jaroslav; SCHILLER, Pavel

Radiometric determination of ash content in drugs.
Jaderna energie 10 no. 2:51-52 F '64.

1. Radioizotopove oddelenie Farmaceutickej fakulty
Univerzity Komenskeho, Bratislava.

SCHILLER, Pavel, dr., inz., CSc.; JOMBIK, Jozef, PhMr.

Nondestructive radiometric determination of bromine in some pharmaceutical preparations. Chem zvesti 17 no.9:685-688 '63.

1. Radioizotopove oddelenie Katedry analytickej chemie, Farmaceuticka fakulta, Univerzita Komenského, Bratislava, ulica Gdbojarov 12.

JOMBIK, Julius, inz.

Some present problems of planning. Pod org 17 no.7:308-309
JI '63.

1. Podpolianske strojars, Detva.

VAPTZAROV, I.; VASSILEV, V.; JOMTOV, M.

On the problem of atypical hypo (a) gamma globulinemias. Apropos of a case. Folia med. (Plovdiv) 7 no.2:83-91 '65.

1. Institut de Hautes Etudes Medicales "I.P. Pavlov" de Plovdiv, Bulgarie. Chaire des Maladies Infantiles (Directeur: prof. I. Vaptzarov) et Institut de Recherches Scientifiques de Medecine Experimentale de Sofia, Bulgarie (Directeur: I.S. Rangelova).

~~C.A.~~ JONA, Gaber

The clinical evaluation of the Phillips-Van Slyke protein determination in serum. Gábor Jóna, Géza Lukó, and Éva Szabó (Univ., Debrecen, Hung.). *Kisérletes Orvostudomány* 1, 83-8(1949).—The results of 60 parallel detns. with the Kjeldahl and the Phillips-Van Slyke methods (C.A. 44, 5052d) proved the suitability of the latter in clinical practice. In the calcn. of the results the factor K was taken as 301.6. István Földi

FILIPP, G.; KELENHEGYI, M.; JONA, G.

Organ-shock in liver. Acta med.hung. 2 no.1:171-180 1951.
(CIML 20:7)

1. Of the Internal (Director—Prof. Fornet) and Surgical
(Director—Prof. J. Loessl) Clinics of Debrecen University
(Research on experimental animals).

KULCSAR, Andras, dr.; TOMPA, Gyula, dr.; JONA, Gabor, dr.; MANDI, Istvan, dr.;
PREKOPA, Almos, dr.

Diagnosis and arteriographic localization of pheochromocytoma
with the application of regitin as a contrast medium. Orv.hetil.
101 no.47:1678-1680 20 N°60.

I. Debreceni Orvostudományi Egyetem, I. sz. Belklinika és II.
sz. Sebészeti Klinika.
(PHEOCHROMOCYTOMA diag)

JONA, Gabor, dr.; FORGON, Mihaly, dr.

Experimental data on roentgen therapy of acute pancreatitis. Magyar
radiol. 13 no.2:100-104 Mr '61.

1. A Debreceni Orvostudományi Egyetem II. és I. sz. Sebészeti
klinikájának közleménye.
| (PANCREATITIS radiother)

JONA, (abor, dr.; SZABO, László, dr.; TASNADI, László, dr.

A case of left gallbladder. Magyar radiol. 13 no.2:115-117 Mr '61.

1. A Debreceni Orvostudományi Egyetem II. sz. Sebészeti Klinikájának
és a Jász-Nagykun-Szolnok Megyei Rendelőintézet Röntgengondozóosztályának közleménye.
(GALLBLADDER abnorm)

HUNGARY

KELEMEN, Janos, Dr, JONA, Gabor, Dr, BERTA, Istvan, Dr; Medical University of Debrecen, Radiological Clinic (deputy director: JONA, Gabor, Dr) (Debreceni Orvostudományi Egyetem, Röntgenklinika).

"Experiences Related to the Risks and Side Effects Involved in the Intralymphatic Injection of Superfluid Iodine-Oil Contrast, on the Basis of 86 Cases."

Budapest, Orvosi Hetilap, Vol 107, No 46, 13 Nov 66, pages 2166-2171.

Abstract: [Authors' Hungarian summary] On the basis of 86 observed cases, the complications and side effects which may arise from oil-contrast lymphography are discussed. The technique of finding the lymphatic vessels is accompanied by a transient discoloration of the patients' skin (86 cases). Local inflammation (1 case), suppuration, pain in the extremity (24 cases), lymphatic vessel rupture (1 case) can be avoided by using correct technique. Injection of the contrast into the vein by error did not occur among the cases reported. The possibility exists that tumor cells will be spread further by the method. In one patient, metastasis in the Virchow's lymph node was observed following lymphography although a causal relationship could not be proven. Fever, chills were encountered in 5 cases, X-ray findings indicative of oil-microembolism in 6 cases, X-rays indicative of bronchopneumonia which corrected itself without treatment in 2 cases. The problems of prevention of lymphographic complications and those of the indications for such examination

JONA, Dr. Gabor; SZATAI, Dr. Imre; and PETER, Dr. Mozes; X-Ray Clinic (Röntgenklinika), Debrecen.

"Bilateral Breast Cancer in the Patient Material of Our Clinic. Some Aspects of Metastasis"

Budapest, Magyar Onkologia, Vol 10, No 4, Dec 1966, p 200.

Abstract: A statistical survey is offered of the more than 500 patients treated at authors' clinic for breast cancer. 35 of these patients had bilateral breast cancer, generally in an advanced stage. Authors conclude that in the majority of cases of bilateral breast cancer one of the tumors is a metastasis, and only in about 10% of the cases are both tumors primary. No references.

JONA, I.

ROTH, M.; JONA, I.

Percutaneous splenoportography. *Magy. radiol.* 5 no. 4:151-153 Nov 1953.
(GLML 25:5)

1. Doctors. 2. Clinic for Advanced Training in Surgery (Director --
Prof. Dr. Imre Littmann), Budapest Medical University.

JONA, Istvan, dr.

The lower left arch of the heart shadow. Magy. radiol. 7 no.4:
238-240 Oct 55.

1. Budapesti Orvostudományi Egyetem Sebész Továbbképző Klinikája.
(Igazgató: Littmann, Imre dr. egyetemi tanár) Röntgen-
laboratóriumának (vezető: Jona, Istvan dr. egyetemi docens)
közleménye.

(HEART, radiography
in mitral stenosis, interpretation of the lower left
arch of the heart shadow.)

(MITRAL STENOSIS, diagnosis
x-ray interpretation of the lower left arch of the
heart shadow.)

LITTMANN, Imre, dr.,; KUNOS, Istvan, dr.,; TEMERSVARI, Antal, dr.,;
ROBICSEK, Ferenc, dr.,; JONA, Istvan, dr.

Results in 200 cases of commissurotomy. Orv. hetil. 96 no.26:
701-708 26 June 55

1. A Budapesti Orvostudományi Egyetem Sebesztovábbképző Klinikájának
(igazgató: Littmann Imre dr. egyet. tanár) közleménye.

(MITRAL STENOSIS, surgery,
commissurotomy, results)

ROTH, Miklos, dr.; JONIA, Istvan, dr.

Importance of percutan in splenoportographic diagnosis. Orv.
hetil. 96 no.29:785-790 17 July 55.

1. A Budapesti Orvostudományi Egyetem Sebész Továbbképző Klinikájának
(igazgató: Littmann Imre dr. egyet. tanár) közleménye.

(ANGIOGRAPHY,

splenoportography, percutan in)

(SPLEEN, blood supply,

splenoportography, percutan in)

(VEINS, PORTAL SYSTEM, radiography,

splenoportography, percutan in)

JONA, Istvan, dr.; TEMESVARI, Antal, dr.; ROBICSEK, Ferenc, dr.;
KERPEL, Marta, dr.

K-ray picture of heart catheterization. Magy. radiol. 8 no.1:
4-12 Feb 56.

1. A Budapesti Orvostudományi Egyetem Sebész Továbbképző
Klinikájának (igazgató: Littman, Imre dr. egyetemi tanár)
közleménye.

(HEART

catheterization, diag. value in congen. cardiovasc.
defects & circ. disord. (Hun))

LITTMANN, I.; KUNOS, I.; TEMESVARI, A.; ROBICSEK, F.; JONA, I.

Experience with 260 mitral commissurotomies. Acta med. hung.
9 no.1-2:67-84 1956

1. Chirurgische Fortbildungsklinik der Medizinischen Universität,
Budapest.

(MITRAL STENOSIS, surg.
commissurotomy)

JONA, ISTVAN

Röntgenfelveteli technika. 2. bőv. kiad. Budapest, Hungary, Medicina, 1957.
171 p.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, November 1959,
Uncl.

JONA, Istvan

stages of the lungs and hilus. Orv. hetil. 98 no.33:894-898 18 Aug 57.

1. A Budapesti Orvostudományi Egyetem IV. sz. Sebészeti Klinikája
igazgató: Kudasz József dr egyet. tanár) Röntgenlaboratóriumának (vezető:
Jona István dr. egyetemi docens) közleménye.

(LUNGS, radiography

in various cardiovasc. defects (Hung))

JONA, Istvan, dr.

Cardiac roentgenogram in mitral stenosis. Magy radiol. 12 no.4:
202-205 N° 60.

1. A Budapesti Orvostudományi Egyetem IV. sz. Sebészeti Klinika
(igazgató: Kudasz József dr., egyetemi tanár) Röntgenlaboratóriumának
(vezető: Jona István dr. egyetem docens) közleménye.
(MITRAL STENOSIS radiog)

JONA, Istvan, dr.; JONAS, Margit, dr.; HEGYES, Arpad, dr.

On lymphadenography. (rv. hely). 106 no.2:57-75 10 1965

1. Orszagos Onkologiai Intezet, Rent vialaboratorium (vez. : na
Istvan, dr) es Endoszkopos Laboratorium (vez. : Wikol, Janos,
dr.).

JONA, Istvan, dr.; FENYES, Zsuzsa, dr.; KARIKA, Zsigmond, dr.; LOKOS,
Margit, dr.

The use of radioisotopes in the examination of the lymphatic
system. Orv. hetil. 106 no.49:2325-2327 15 D ' 65

1. Országos Onkológiai Intézet, Röntgenlaboratórium és
Izotóp Osztály.

I. 39908-66

ACC NR: AP6029388

SOURCE CODE: HU/0021/65/000/006/0365/0369

AUTHOR: Jona, Istvan—Yona, I. (Doctor); Gyorgyne, Fenyves (Doctor); Karika, Z.—²⁹
Karika, Zh. (Doctor); ~~Lokos, Margit~~—Lokosh, M. (Doctor) ^B

ORG: Radiological Laboratory, National Oncological Institute (Orszagos Onkologiai Intezet rontgenlaboratoriuma); Isotope Department, National Oncological Institute (Orszagos Onkologiai Intezet izotop osztalya)

TITLE: Comparative ²²lymphographic examinations using contrast material and radioisotopes

SOURCE: Magyar radiologia, no. 6, 1965, 365-369

TOPIC TAGS: radioisotope, radiology

ABSTRACT: Indirect isotopic lymphography is a simple and rapid procedure for orientation concerning the condition of the abdominal and pelvic lymph nodes. In our experience, it does not reveal the early, smaller changes although the presence of more pronounced changes is clearly indicated by the scintigram. The test is, therefore, suited for an initial, rapid orientation. In the case of uncertain results, however, radiolymphography and perhaps cavography should also be performed. Orig. art. has: 4 figures. [JPRS: 34,161]

SUB CODE: 06, 18 / SUBM DATE: none / OTH REF: 013

^{ns}
Card 1/1

HUNGARY

POLYANSZKY, Dr Tibor; LOKOS, Dr Margit; and JONA, Dr Istvan, National Institute of Oncology (Orszagos Onkologiai Intezet).

"Importance of Lymphadenography in the Diagnosis of the Cervical Metastases of Throat Tumors"

Budapest, Magyar Onkologia, Vol 10, No 4, Dec 1966; pp 219-220.

Abstract: In the treatment of extensive throat tumors in which the elimination of infiltrated or potentially infiltrated lymph nodes is indicated, great help would be rendered by a method which makes it possible to detect the beginning pathological changes in the lymphatic system. Cervical lymphadenography seems to be such a method. Although this method has been applied only in the case of a limited patient material, authors consider it to be such that its widespread application as a diagnostic tool is recommended. No references.

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JONA, M.

SOS, J.; KEMENY, T.; with the technical assistance of M. Schnell and M. Jona.

On the mode of action of methionine deficiency. Acta physiol.
hung. 17 no.3:355-360 '60.

1. Institute of Pathophysiology, Medical University, Budapest.
(METHIONINE Defic)

JONA, M.

SCS, J.; CSALAY, L.; GATI, T.; KEMENY, T.; KERTAI, P.; NAGY, E.; PERENY, L.;
SZABO, G., Technikai Asszisztensek: SCHNELL, M.; JONA, M.

Antityrosine compounds. Kiserletes orvostud 9 no.5-6:570-574 Oct-Dec
58.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete és Országos
Közegészségügy Intézet.

(TYROSINE, antag.

eff. on *Lactobacillus casei* & rat organs (Hun))

(LACTOBACILLUS, eff. of drugs on

tyrosine antag. on *Lactobacillus casei* (Hun))

KERTAI, P.; SOS, J.; with the technical assistance of JONA, M.

Methionine-35S uptake of rats fed on a methionine-deficient diet.
Acta physiol.hung. 18 no.3:217-220 '60.

1. Institute of Pathophysiology, Medical University, Budapest.
 (METHIONINE metab)
 (LIVER metab)
 (BRAIN metab)

RIGO, J.; BUDAVARI, I.; SOS, J.; with technical assistance of JONA, M.

Potassium, sodium, magnesium and calcium levels in rats during alimentary provocation of infarctoid cardiac lesions. Acta med. hung. 17 no.1:85-90 '61.

1. Institute of Pathophysiology (direktor: prof. J.Sos) University Medical School, Budapest.

(MYOCARDIAL INFARCT exper.) (POTASSIUM chem.)
(SODIUM chem.) (MAGNESIUM chem.) (CALCIUM chem.)
(FATS nutrition & diet)

SOS, J.; KEMENY, T.; RIGO, J.; BUDAVARI, I.; Technical assistance of: SCHELL, M.;
JONA, M.

Influence of amino acid deficiency on the chemical constitution and
solidity of the bones. Acta physiol. hung. 19 no.1-4:267-272 '61.

1. Institute of Pathophysiology, Medical University, Budapest.
(AMINO ACIDS deficiency) (BONE AND BONES chem.)

HORVATH, Szabolcs; HAN TO VU ; RIGO, Janos; technikai asszisztens:
JONA, Margit

Effect of functional changes of the thyroid gland on the content of
free tyrosine in the thyroid gland and blood plasma. Kiserl.
orvostud. 14 no.3:293-297 Je '62.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete.
(THYROID GLAND metab) (THIOURACIL pharmacol)
(TYROSINE metab)

RIGO, Janos; SOS, Jozsef; technikai asszisztens: JONA, Margit; ROZSAHEGYI,
Beatrix

The effect of magnesium on kidney lesions caused by a cardiopathogenic
diet. Kiserl. orvostud. 15 no.1:42-45 F '63.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete.
(KIDNEY DISEASES) (MAGNESIUM) (DIET)
(HEART DISEASE)

RIGO, Janos; SZELENYI, Istvan. Technikai asszisztensek: JÜHA, Margit;
ROZSANEGYI, Beatrix.

Effect of magnesium on experimental hypertension in rats.
Kiserl. orvostud. 16 no.1:24-27 Ja'64.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete.

*

RIGO, J.; SIMON, Gy; HEGYVARI, Cs. SOS, J. Technical assistance: SCHNELL,
Maria; JONA, Margit.

Effect of magnesium on dietary infarctoid changes in the heart.
Acta med. acad. sci. Hung. 19 no.3:231-236 '63

1. Institute of Pathophysiology, University Medical School,
Budapest.

*

RIGO, J.; SZELENYI, I.; Technische Assistenten: JONA, M.; ROZSAHEGYI, B.

Effect of magnesium on neurogenic and dietary hypertension
in rats. Acta physiol. acad. sci. Hung. 24.no.2:253-259 1963.

1. Pathophysiologisches Institut der Medizinischen Universi-
tat, Budapest.

(MAGNESIUM) (HYPERTENSION)
(DIET) (HEART DISEASES)

RIGO, Janos; SZELENYI, Istvan; Technikai asszisztensek: SCHNELL, Maria;
ROZSAHEGYI, Beatrix; JONA, Margit

The role of magnesium in an alimentary cardiomyopathy complicated by disturbances of the nervous system. Kiserl. orvostud.
15 no.6:587-591 D '63

1. Budapesti Orvostudományi Egyetem Kóreltani Intézete.
(MYOCARDIAL INFARCT) (CALCIUM, DIETARY)
(SODIUM) (PHOSPHATES) (CHOLESTEROL)
(VITAMIN D2)

SOS, J.; GATI, T.; KEMENY, T.; RIGO, J. Technical assistance: SCHNELL,
Maria; JONA, Margit; SZABO, Ilona

Infarctoid cardiac lesions induced by dietetic factors in the
dog. Acta med. acad. sci. Hung. 20 no.1:1-8 '64

Infarctoid cardiac lesions induced by dietetic factors in the
cock. Ibid.: 9-15

1. Institute of Pathophysiology (Director: J.Sos), University
Medical School, Budapest.

GATI, Tibor; RIGO, Janos; GYENGÉ, Kalman; SOS, Jozsef; Technikai asszisztens:
FEKETE, Katalin; JONA, Margit

Cardiovasopathogenic diet, effect of Ca and Mg on the strength of
the cold pressor reflex in rats. Kiserl. orvostud. 16 no.4:380-384
Ag '64.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete.

CZECHOSLOVAKIA

EYBL, V.; JONAKOVA, M.; KOUTENSKY, J.; KOCHER, Z.; MERTL, F.; SYKORA, J.; Pharmacological and Physical Institute, Faculty of Medicine, Charles University; Department of Occupational Diseases (Farmakologicky a Fysikalni Ustav Lek. Fak. KU a Oddeleni pro Choroby z Povclani), SFN [Abbreviation not explained], Pizen.

"The Effect of Dibenzyloethylenediamine Salts of CaEDTA."

Prague, Ceskoslovenska Fysiologie, Vol.15, No 5, Sep 66, p 419

Abstract: The effect of the dibenzyloethylenediamine salt of CaEDTA on the excretion of Mn and on its distribution in the organism was investigated. The content of Mn in the liver is reduced after the application of the discussed substance. The level of chelates in the organism is increased. No references. Submitted at 14 Days of Pharmacology at Smolenice, 17 Feb 66.

CZECHOSLOVAKIA

MURGAS, K., JONEC, V., OPRSALOVA, Z; Endocrinological Institute, Slovak Academy of Sciences (Endokrinologicky Ustav SAV), Bratislava.

"Adrenocortical Activity and Ability of Rats to Learn in the Development of a Conditioned Reflex."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 116

Abstract: Experiments were conducted using ringing as a signal to rats to enter another part of a box to avoid an electric shock. It was found that the rats that learned the best how to avoid the shock had the lowest adrenocortical activity. When the electric shock was replaced by very intensive ringing, the activity of the adrenal cortex was highest in the rats that learned best. No references. Submitted at "16 Days of Physiology" at Kosice, 27 Sep 65.

biological purification. Václav Jonáš, Jiří Barta, and
 František Gregor. Czech. 33,438. July 24, 1956. Mash
 from yeast production (1000 hectol.) contg. on the av. 1.5
 g. S and 0.5 g. N per l. is fermented in a closed tank contg.
 3-4 tons of Fe shavings with a 20 hectol. inoculum of rod-
 shaped betain-splitting bacteria (e.g. *Clostridium*) for 8-12
 hrs. at 30-35°. Then the mixt. is fermented with a 100
 hectol. inoculum of *Sulfoferrio denitrificans* for 48-60 hrs.
 at 20-26°. Excess H_2S is then expelled by stirring, and
 20°Bé. lime water is added to pH 8-8.5. Following sedi-
 mentation, the clear supernatant liquid is removed to
 another tank, and the pptn. is completed by adding of lime
 water to pH 11.5. Removal of NH_3 by aeration is followed
 by sedimentation. The clear liquid is mixed with river
 water in the ratio 1:5 and discarded. H_2S arising during
 the fermentation is recovered by the arsenic method.
 Combustible gases are removed and burned. The resid-
 ual sediment is sep'd. The process yields: 65 kg. S (bound in
 the sediment), 60 kg. elementary S (from H_2S), 0.1 kg. N
 (bound in the sediment), 10.5 kg. N (as NH_3), 62.5 cu. m.
 CH_4 , 32.5 cu. m. H_2 , and 350 kg. lime fertiliser. L. I. U.

YONAYTIS, S.I. [Jonaitis, S.]

Sorting brushwood splinters. Trudy AN Lit. SSR. Ser. B no.2:
265-271 '62. (MIRA 18:3)

1. Institut stroitel'stva i arkhitektury AN Litovskoy SSR.

Jonak, J.

Jonak, J. The HJ 8A single-stand planing machine. p. 66.

Vol. 5, no. 2, Feb. 1957

STROJIRENSKA VYROBA

TECHNOLOGY

Czechoslovakia

So: East European Accessions, Vol. 6, May 1957
No. 5

ACC NR: AP6006049

SOURCE CODE: CZ/0053/65/014/004/0297/0297

AUTHOR: Jonakova, M.; Koutensky, J.; Eybl, V.; Sykora, J.

ORG: Institute of Pharmacology, Medical Faculty, Charles University, Plzen
(Farmakologicky ustav lek. fak/ UK); Department of Occupational Diseases, SFN, Plzen
(Odd. chorob z povolani SFN) 55

TITLE: The toxic effects of cadmium complexes of aminopolycarboxylic acids [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 28 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 297

TOPIC TAGS: toxicology, aliphatic polycarboxylic acid, organocadmium compound, drug effect, pharmacology, blood pressure, respiratory system, chelate compound

ABSTRACT: CdCl₂ and its chelates with EDTA, HEDTA tended to cause hypotension and tachypnea; CdCDTA caused transient hypertension. EKG changes are described.
[JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001

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L 13258-66 EWT(1)/EWA(j)/EWA(b)-2 R0

ACC NR: AP6006052

SOURCE CODE: CZ/0053/65/011/001/0293/0299

AUTHOR: Koutensky, J.; Eybl, V.; Jonakova, M.; Sykora, J.; Mertl, F.

ORG: Institute of Pharmacology, Medical Faculty, Charles University, Plzen
(Farmakologicky ustav lek. fak. UK); Department of Occupational Diseases, SFN,
Plzen (Odd. chorob z pov. SFN); Institute of Physics, Medical Faculty, Charles
University, Plzen (Fyzikalni ustav LF UK)

TITLE: Role of cadmium in acute ferritin toxicity [This paper was presented
during the Twelfth Pharmacologic Days, Smolenice, 20 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 298-299

TOPIC TAGS: mouse, pharmacology, cadmium, protein, organoiron compound, toxicology,
blood pressure

ABSTRACT: Cadmium-containing crystallized ferritin had an LD₅₀ of 100 mg /Kg
in mice; cadmium is stored in kidneys and spleen; while noncrystallized ferritin
lowers blood pressure transiently, crystallized ferritin with cadmium raises it;
CaDTA and CaDTPA can solubilize body cadmium and remove it from the body, as shown
chromatographically. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 004

Card 1/1